#### ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500 Denver, Colorado 80202

Telephone: 303-573-1222 Facsimile: 303-573-0461

March 1, 2006

State of Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt lake City, Utah 84114-5801

Attention:

Diana Whitney

RE:

Buck Camp 12-22-42-2 SE-NE Section 2-T12S-R22E Uintah County, Utah Lease #ML 47087

Dear Ms. Whitney

Attached are two original applications to drill for the above-referenced proposed well. This well will be drilled on State of Utah lands. A copy of this APD is being sent to SITLA.

Enduring Resources, LLC respectfully requests that this information, and future information, be held confidential.

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman - Regulatory Specialist

ara/

Attachments as stated:

CC:

SITLA

RECEIVED MAR 0 3 2006

#### STATE OF UTAH

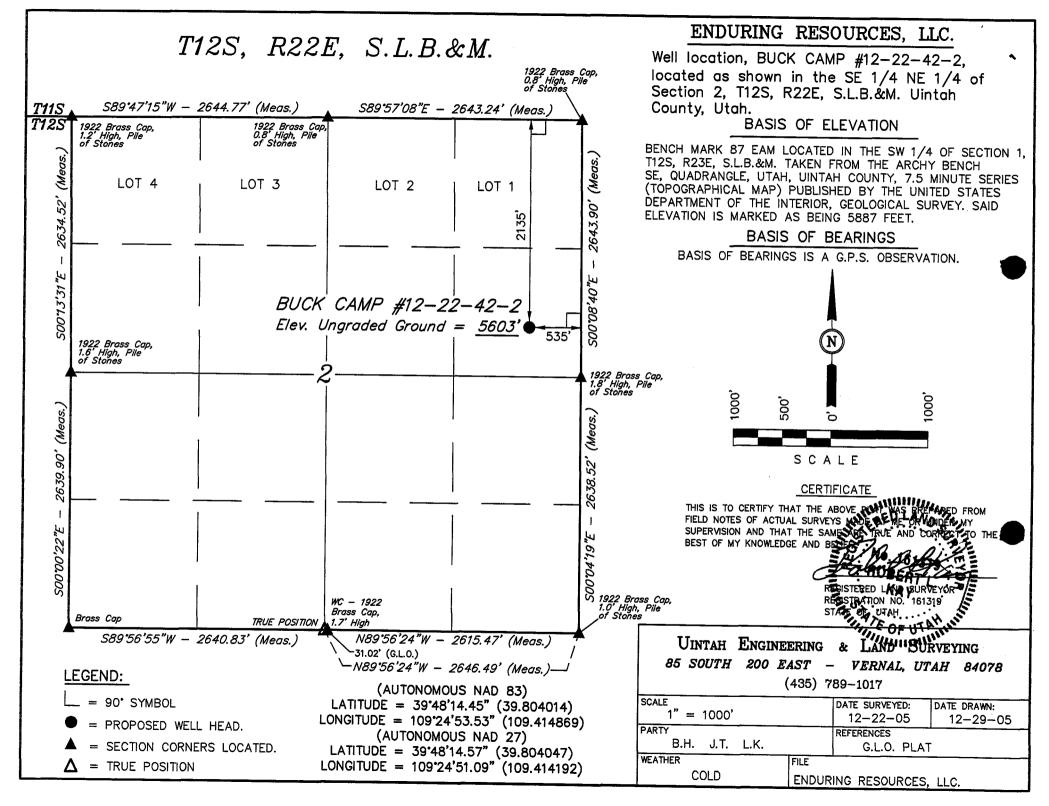
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT (highlight changes)

DIV. OF OIL, GAS & MINING

· · · · · · · · · · · · · · · · · · ·		APPLICAT	ION FOR	PERMIT TO	DRILL	5. MINERAL LEASE NO: ML-47087	6. SURFACE: State
1A. TYPE OF WO	DRK: D	RILL 🔽 F	REENTER	DEEPEN		7. IF INDIAN, ALLOTTEÉ C	OR TRIBE NAME:
B. TYPE OF WE	ll: OIL 🗌	GAS 🗹 .	THER	SING	GLE ZONE MULTIPLE ZONE	8. UNIT OF CA AGREEMEN	IT NAME:
2. NAME OF OPE			· · · · · · · · · · · · · · · · · · ·			9. WELL NAME and NUME	
Enduring R		LLC				Buck Camp 12-	
3. ADDRESS OF 475 17th St	t., Ste 1500	Q1111	r STA	TE CO ZIP 802	PHONE NUMBER: (303) 350-5114	10. FIELD AND POOL, OR Undesignates	Widows
4. LOCATION OF			TEEL OF	NE 63575	7x 39.804066 9984 -109 41418.	11. QTR/QTR, SECTION, MERIDIAN:	rownship, range,
AT SURFACE:	•	35' FNL - 535	2.4	440L	9984 - IM	SENE 2 1	2S 22E S
AT PROPOSED	PRODUCING ZC	ONE:	SAME		ाण पापार		
14. DISTANCE IN	MILES AND DIRE	ECTION FROM NEAR	EST TOWN OR PO	ST OFFICE:		12. COUNTY:	13. STATE:
71.4 mile	s southof V	/ernal, Utah				Uintah	UTAH
15. DISTANCE TO	O NEAREST PRO	PERTY OR LEASE LI	NE (FEET)	16. NUMBER O	ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGN	ED TO THIS WELL:
535'					640		40 acres
18. DISTANCE TO	O NEAREST WEL	L (DRILLING, COMPLE (EEET)	ETED, OR	19. PROPOSED	DEPTH:	20. BOND DESCRIPTION:	
1100'	ty ON THIS ELAS	L (FLLT)			7,295	RLB0008031	•
21. ELEVATIONS	(SHOW WHETH	ER DF, RT, GR, ETC.	ľ	22. APPROXIMA	ATE DATE WORK WILL START:	23. ESTIMATED DURATION:	
5619' K	(B-RT		*	6/1/2006		20 days	0
24.			PROPOS	ED CASING A	ND CEMENTING PROGRAM		
SIZE OF HOLE	CASING SIZE	, GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY, YIELD, AND SLURRY WEIG	HT.
20"	14"	line pipe		40	3 yards	Ready Mix	
11"	8-5/8"	J-55	24#	2,000	Premium Lead	138 sxs 3.	50 11.1
					Premium Tail	138 sxs 1.	15 15.8
7-7/8"	4-1/2"	N-80	11.6#	7,295	Class G	59 sxs 3	3.3 11.0
					50/50 Poz Class G	899sxs 1.	56 14.3
					V 1000		
-			·				
25.				ATTA	CHMENTS		
VERIFY THE FOL	LOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE U	JTAH OIL AND GAS C	ONSERVATION GENERAL RULES:		
<b>✓</b> WELL PL	AT OR MAP PRE	PARED BY LICENSEI	SURVEYOR OR E	NGINEER	COMPLETE DRILLING PLAN		
		OF WATER RIGHTS A				DOON OF COMPANY OTHER THA	UTIE LEAGE OURSE
IN LAIDENC	SE OF BIVISION C	JI WATER RIGHTS A	FFROVAL FOR 03	E OF WATER	FORM 3, IF OPERATOR IS PE	RSON OR COMPANY OTHER THAI	1 THE LEASE OWNER
	A la star	D (Al) A-1'					
NAME (PLEASE	PRINT) AIVIN	R. (AI) Arlian	1		TITLE Landman - Re	gulatory Specialist	
SIGNATURE		101			DATE 3/1/2006		
(This space for Sta	ite use only)						
				200	Approved by the Utah Division of		
		42 111	7-3786	. 0	Oil. Gas and Mining	RECE	IVED
API NUMBER AS	SIGNED:	1,5-04	13186	<u>e~l</u>	APPROVAL:	MAR 0:	3 2006



## **Enduring Resources, LLC**

## Buck Camp 12-22-42-2 SE-NE Section 2-T12S-R22E Uintah County, Utah

#### Lease #ML 47087 State

#### ONSHORE ORDER 1 - DRILLING PLAN

#### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	319'
Wasatch	2,769'
Mesaverde	4,949'

#### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5,619' est.	
Oil / Gas	Green River	319'
Oil /Gas	Wasatch	2,769'
Oil /Gas	Mesaverde	4,949'
	TD	7,295

An 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

## 3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: <u>Annular Preventer</u>

test are met, whichever is longer.

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the

At a minimum, the above pressure test will be performed:

- 1. When the annular preventer is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

#### **Blow-Out Preventer**

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

- 1. When the BOP is initially installed;
- 2. Whenever any seal subject to test pressure is broken;
- 3. Following related repairs; and
- 4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

## 4. **Proposed Casing & Cementing Program:**

## A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set
					(MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 7,295' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

#### **B.** Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			'
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
7295' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.68 (d)	7780/2.23 (e)	223/3.07 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

#### PROPOSED CEMENTING PROGRAM

#### Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaC <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15  $\rm ft^3/sx$ ) cement will be premium cement w/  $\rm 3\%~CaCl_2 + 0.25~pps$  celloflake. Volume as required

## Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	sxs	EXCESS (%)	WEIGHT (ppg)	YIELD (ft³/sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15

## Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT.	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
		FILL			( )	(1-1-0)	(**************************************
4-1/2"	Lead	653	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	59	25	11.0	3.3
4-1/2"	Tail	4926	50/50 POZ Class G + 2% gel +1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	899	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

#### 5. <u>Drilling Fluids (mud) Program:</u>

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-7295' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

### 6. <u>Evaluation Program:</u>

Tests:

No tests are currently planned.

Coring:

No cores are currently planned.

Samples:

No sampling is currently planned.

#### Logging

- Dual Induction SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
   TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

<u>Stimulation</u>: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

#### 7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No  $H_2S$  has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 3,993 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,189 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

## 8. <u>Anticipated Starting Dates:</u>

Anticipated Commencement Date Within one year of APD issue.

Drilling Days Approximately 10 days

• Completion Days - Approximately 10 days

• Anticipate location construction within 30 days of permit issue.

#### 9. Variances:

None anticipated

#### 10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

# ENDURING RESOURCES, LLC. BUCK CAMP #12-22-42-2 SECTION 2, T12S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, SOUTHEASTERLY, THEN **SOUTHWESTERLY** DIRECTION APPROXIMATELY 11.2 MILES ALONG THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #12-22-34-2 TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 71.4 MILES.

## **Enduring Resources, LLC**

Buck Camp 12-22-42-2 SE-NE Section 2-T12S-R22E Uintah County, Utah

Lease #ML 47087 State

## **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. Existing Roads:

Directions to the Buck Camp 12-22-42-2 Well:

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 11.2 MILES ALONG THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, SOUTHEASTERLY DIRECTION APPROXIMATELY 9.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #12-22-34-2 TO THE SOUTHEAST; FOLLOW ROAD FLAGS SOUTHEASTERLY, THEN SOUTHWESTERLY **DIRECTION** APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY. THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL APPROXIMATELY 71.4 MILES.

## 2. Planned Access Roads:

The proposed access road will be approximately 0.9 mile of new construction all onlease if this well is drilled before the Buck Camp 12-22-34-2-2 is built (if the Buck Camp 12-22-42-2 is drilled first, then the new access road will be an additional 0.4 mile of new construction.

ALL NEW CONSTRUCTION IS ON SITLA LANDS. The balance of the access road is from Seep Ridge Road (county road). The county road will be improved, if needed, to meet Uintah County, SITLA (and DOG&M) requirements, however no improvement is anticipated.

No off-lease access road right-of-way is needed.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provided a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

#### Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" 3. attached):

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

a. None: Water Wells:

b. None:

**Injection Wells:** 

C. (2): **Producing Wells:** 

i.

Buck Camp 2-2 nka Buck Camp 12-22-31-2 NWNE Sec. 2-12S-22E

Buck camp 7-2 nka Buck Camp 12-22-32-2 SWNE ii.

Sec. 2-12S-22E

d. None:

**Drilling Wells:** 

e. None: Shut-in Wells:

f. None: Temporarily Abandoned Wells:

None: g.

**Disposal Wells:** 

h. None: **Abandoned Wells:** 

i. None: Dry Holes:

i. None:

**Observation Wells:** 

k. Various: Pending (staked) Wells:

Various wells staked by Enduring in Sec. 2-12S-22E i.

#### **Location of Existing and/or Proposed Facilities:** 4.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Dark Olive Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for this well will be:

\*3,600

of 3" Surface Pipeline

On-Lease

SITLA

N/A

-0-

Off-Lease

A 3" surface pipeline will be constructed along the well access road from the well to the Buck Camp 12-22-34-2 pipeline, or

\*If this well is drilled first, then additional .4 mile of 3" surface pipeline will be laid next to the access road back out to and tie-in the Buck Camp 4-36-11-2 pipeline.

## The Buck Camp 4-36-11-2 pipeline has now been constructed.

If this well is capable of economic production, a 3" steel surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 55 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road (southwest and then northwest) to tie-in to a steel surface pipeline that is being \*proposed from the Buck Camp 12-22-34-2 gathering line.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

## 5. Location and Type of Water Supply:

Whenever feasible, water for drilling shall be acquired from Enduring Water User Claim 49-2215, Application #T76132 or Enduring Water User Claim 49-2216 Application T76180, or if that those sources are not feasible, then by Target Trucking Water User Claim #43-2195, or by Dalbo Inc. Water User Claim #43-8496.

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

## 6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized fro location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

## 7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit well be constructed on the location and will not be located within natural drainage, where a flood hazard exits or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with ½ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

## 8. **Ancillary Facilities:**

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil

stockpiles. Refer to Sheet 4.

## 9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein. The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

## 10. Plans for Surface Reclamation:

## **Producing Location:**

- Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve

pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

## **Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

## Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the SITLA.

## 11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: SITLA

Access: SITLA

Pipeline: SITLA

#### 12. Other Information

## On-site Inspection for Location, Access and Pipeline Route:

The on-site will be scheduled by SITLA and DOG&M.

## **Special Conditions of Approval:**

 Tanks and Production Equipment shall be painted Dark Olive Black, a color designed by SITLA and DOG&M

## **Archeology:**

a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

## Paleontology:

a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

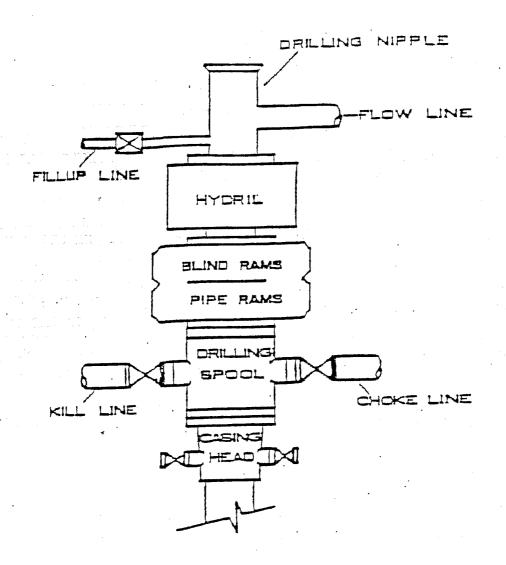
## 13, Lessee's or Operator's Representatives:

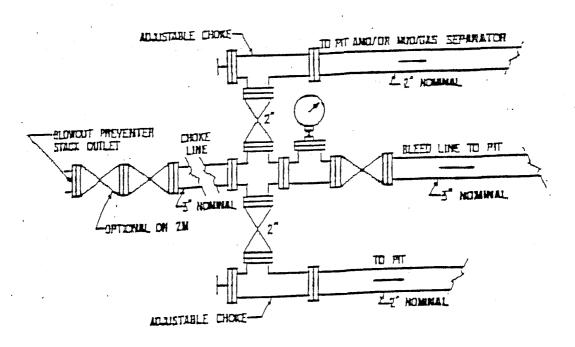
## Representatives:

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17<sup>th</sup> Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461
aarlian@enduringresources.com

Frank Hutto
Vice President – Operations
Enduring Resources, LLC
475 17<sup>th</sup> Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-573-5102
Fax Tel: 303-573-0461
fhutto@enduringresources.com

## EOP STACK





# ENDURING RESOURCES, LLC. BUCK CAMP #12-22-42-2

LOCATED IN UINTAH COUNTY, UTAH SECTION 2, T12S, R22E, S.L.B.&M.

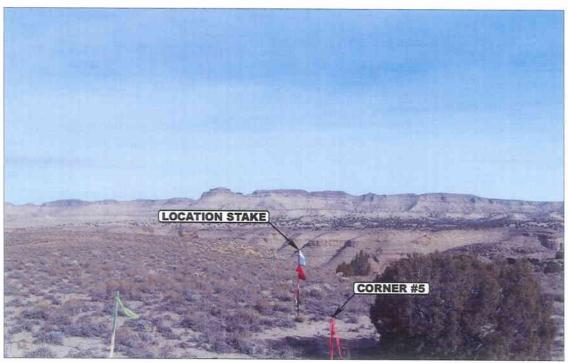


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHEASTERLY** 



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: SOUTHEASTERLY** 



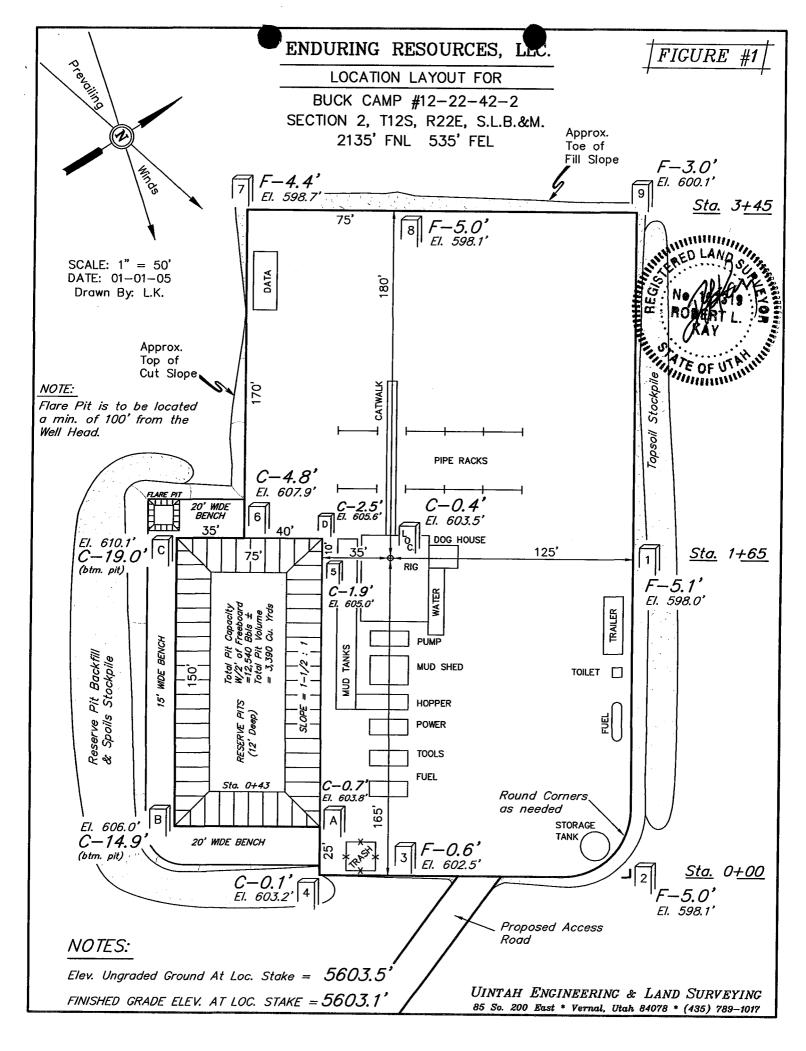
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

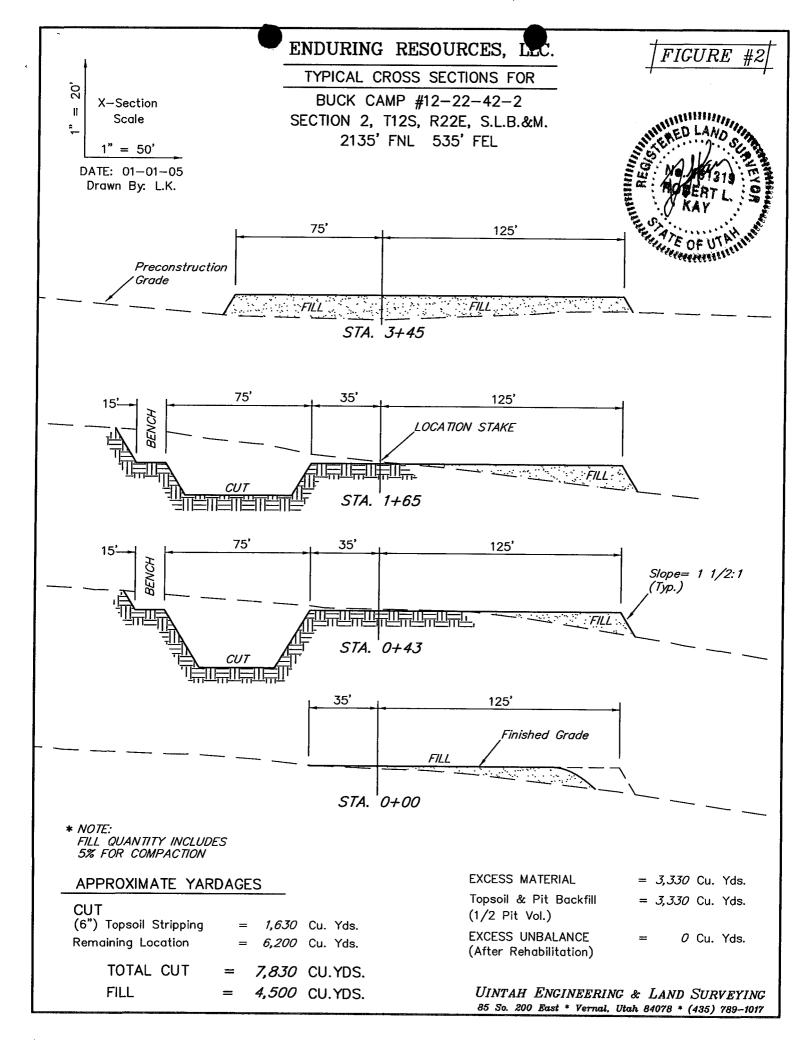
LOCATION PHOTOS

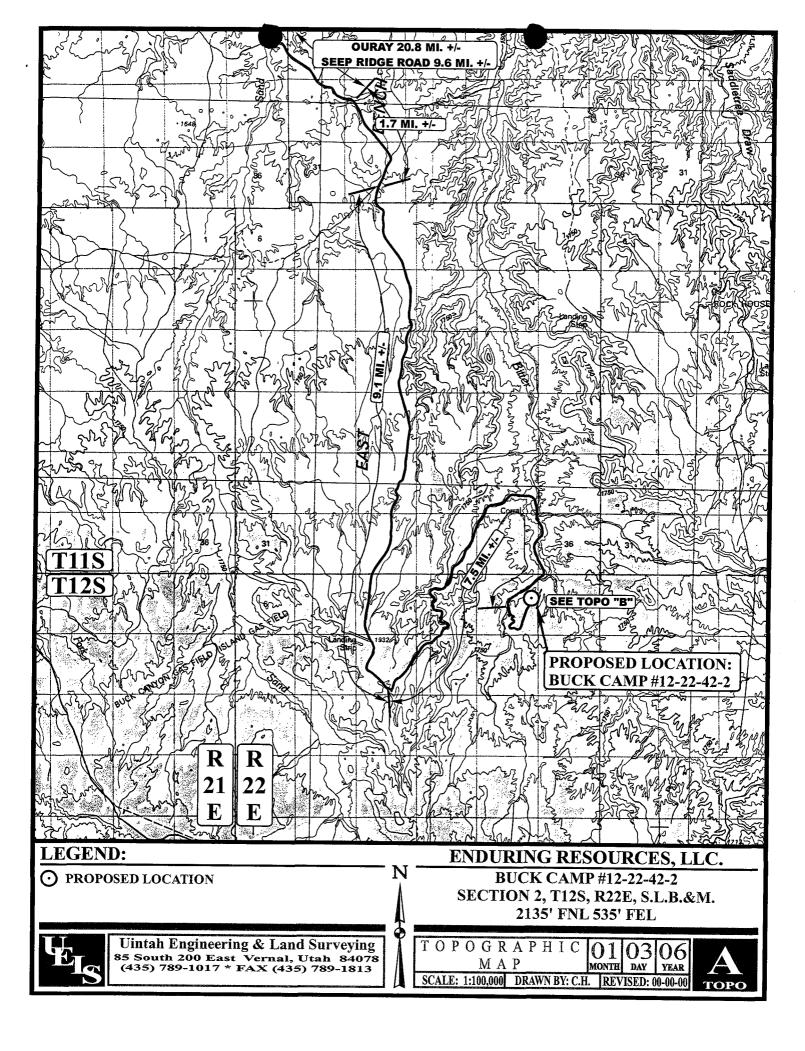
01 03 06 MONTH DAY YEAR

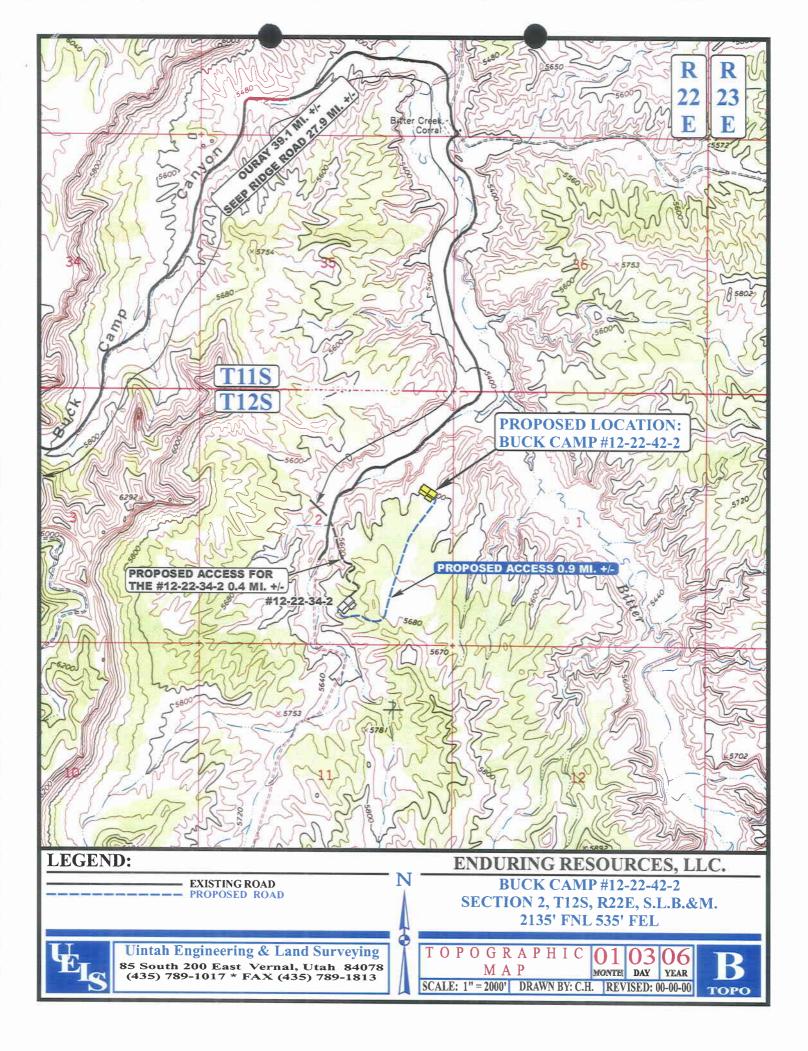
РНОТО

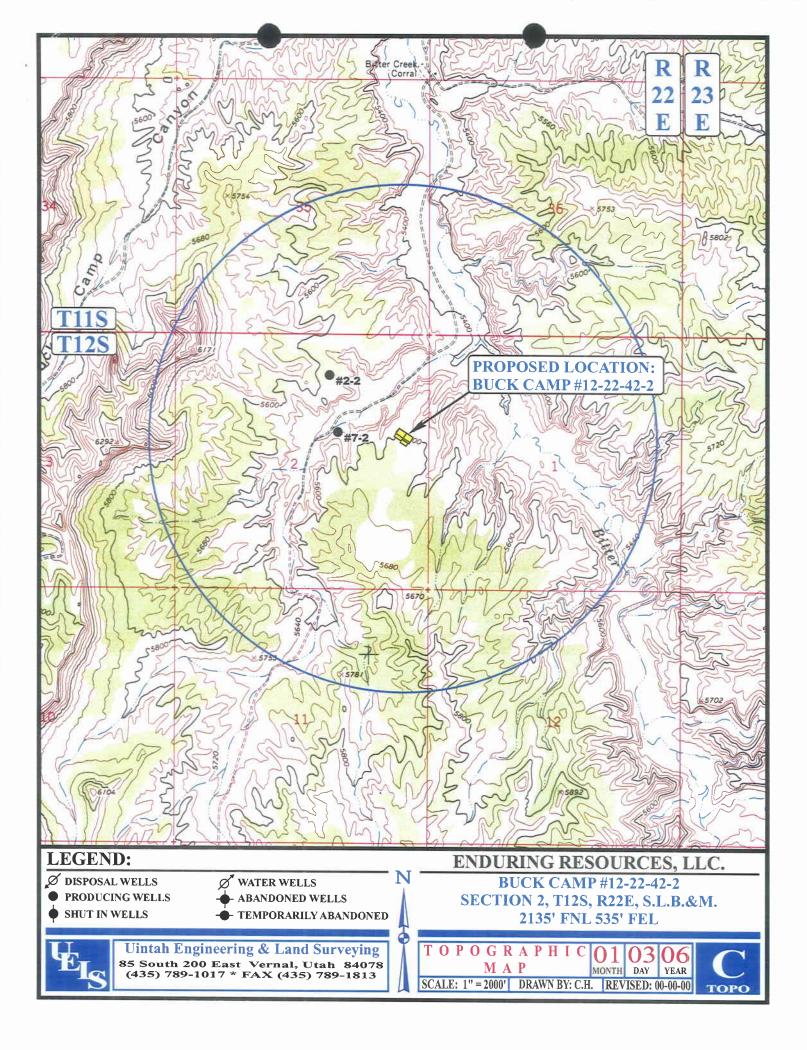
TAKEN BY: T.A. | DRAWN BY: C.H. | REVISED: 00-00-00

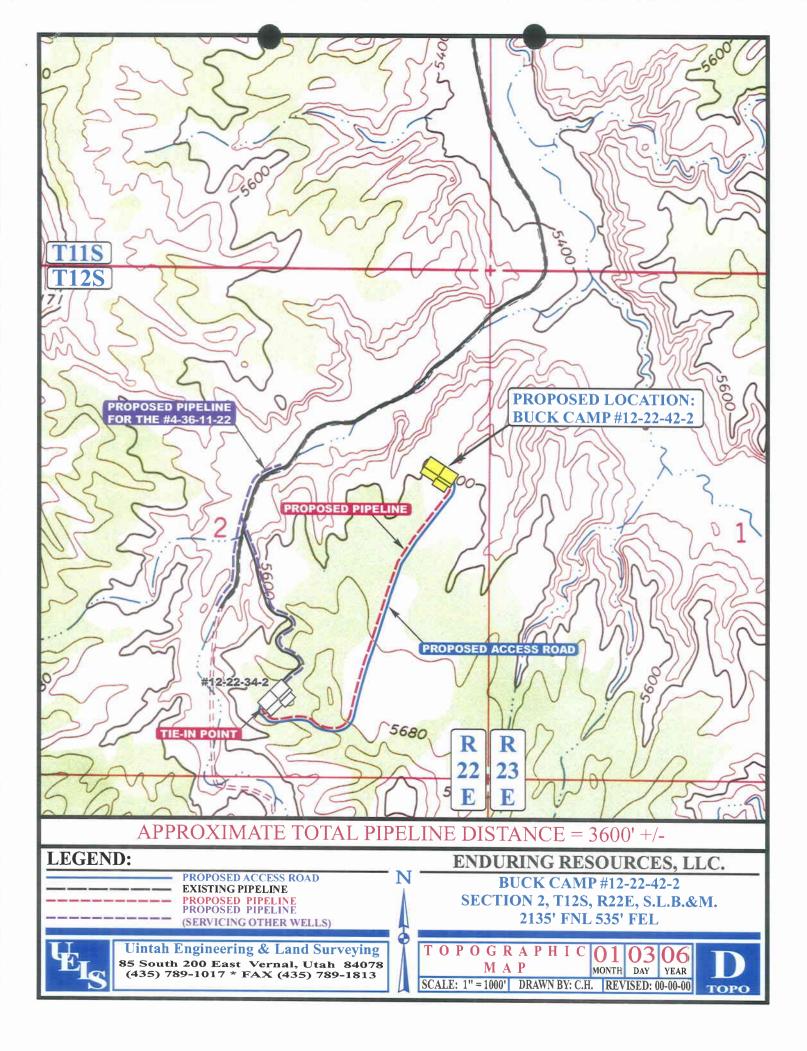




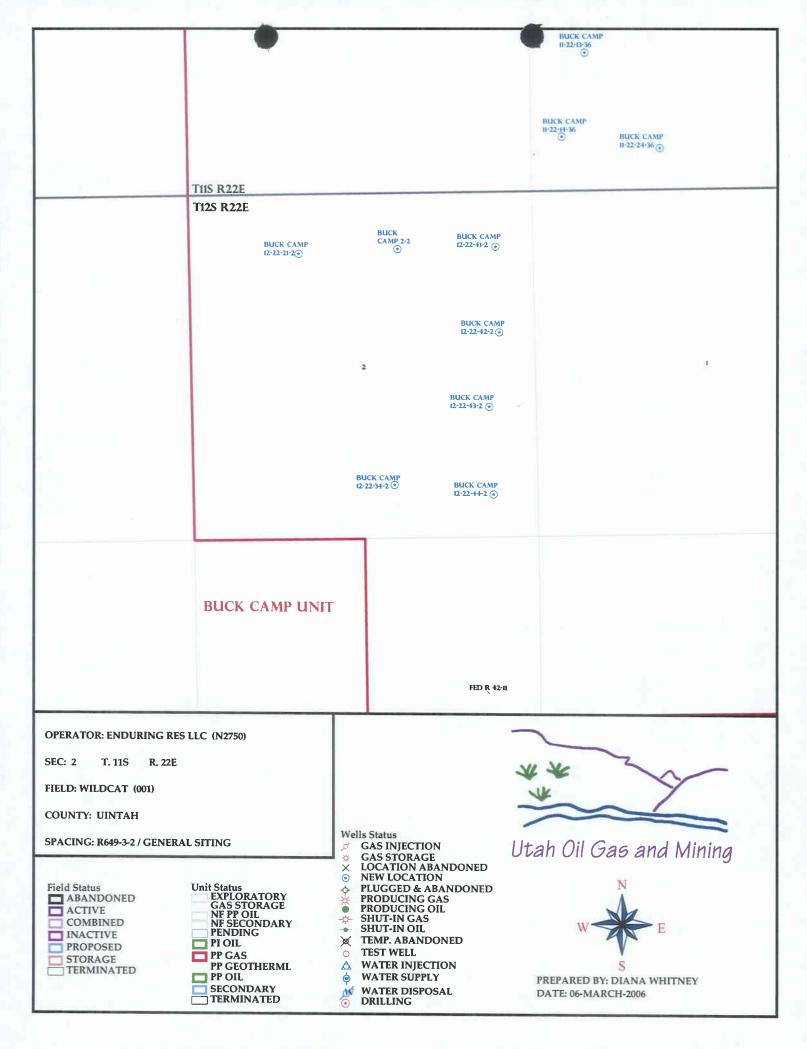








APD RECEIVED: 03/03/2006	API NO. AS	API NO. ASSIGNED: 43-047-37869		
WELL NAME: BUCK CAMP 12-22-42-2			····	
OPERATOR: ENDURING RESOURCES, LLC ( N2750 )	PHONE NUMBER	a: 303-350-51	14	
CONTACT: AL ARLIAN				
PROPOSED LOCATION:	INSPECT LOCA	ATN BY: /		
SENE 02 120S 220E		<del></del>	T	
SURFACE: 2135 FNL 0535 FEL	Tech Review	Initials	Date	
BOTTOM: 2135 FNL 0535 FEL	Engineering	D:<0)	4/25/06	
COUNTY: UINTAH	Geology			
LATITUDE: 39.80401 LONGITUDE: -109.4142	G C			
UTM SURF EASTINGS: 635757 NORTHINGS: 4406	Surface			
FIELD NAME: WILDCAT ( 1	)			
LEASE TYPE: 3 - State				
LEASE NUMBER: ML-47087	PROPOSED FOR	RMATION: MV	RD	
SURFACE OWNER: 3 - State	COALBED METH	ANE WELL? NO		
Description   Location and Siting:   R649-2-3.     R649-2-3.       R649-2-3.				
STIPULATIONS:  1-Spacing Object Comments:  2-Statements  3-Surface Comments				
	,			



## DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	ENDURING RESOURCES, LLC
WELL NAME & NUMBER:	Buck Camp 12-22-42-2
API NUMBER:	43-047-37869
LOCATION: 1/4,1/4 <u>SE/NE</u> Sec:	<u>2 TWP</u> : <u>12S RNG</u> : <u>22E 2135 FNL 535 FEL</u>
Geology/Ground Water:	
saline water is estimated at 2,600 fe within a 10,000 foot radius of the production. The well is owned by the Uinta/Green River Formation transition with shales and are not expected to interbedded limestones, shales and	et. A search of Division of Water Rights records shows 1 water well roposed location. The well is approximately .5 miles from the proposed BLM and no depth is listed. The surface formation at this location is the ition. The Uinta Formation is made up of discontinuous sands interbedded produce prolific aquifers. The Green River Formation is made up of sandstones. Fresh water aquifers can be found in the Green River. The proposed surface casing should adequately protect any potentially
Reviewer: Brad	Hill Date: 04-17-06
Surface:	
both the surface and minerals of the Utah Division of Wild attended. Mr. Williams repressor deer and high value winter	f the surface was performed on 04/05/2006. The State of Utah (SITLA) owns of this location. Mr. Ed Bonner and Jim Davis of SITLA and Ben Williams life Resources were invited to the pre-site. Both Mr. Williams and Mr. Davis esenting the UDWR stated the area is classified as critical value winter habitater elk habitat. He explained how the areas are classified and recommended to the limit their activity from Nov. 15 thru March 15 to protect wintering
values for deer. This activity	y would include road and nad construction, drilling and work over rigg. Mr

Reviewer: Floyd Bartlett Date: 04/10/2006

operating a well in the immediate area. No significant stability problems are anticipated.

## **Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

Williams gave Mr. Hammond and Mr. Davis copies of his wildlife investigation report and a recommended seed mix to use when the site is revegetated. The proposed well lies on top of an elevated bench to the east of a secondary fork of Bitter Creek. The location is on a gentle slope slightly sloping to the north. Access will be gained by following 0.2 miles of new road planned to a nearby well, then constructing approximately 0.9 miles of additional road to this well. These roads climb out of the bottom onto the side slope to the planned locations. The selected location appears to be the best site for constructing a pad and drilling and

OPERATOR: ENDURING RESOURCES, LLC

WELL NAME & NUMBER: Buck Camp 12-22-42-2

**API NUMBER:** 43-047-37869

LEASE: ML-47087 FIELD/UNIT: Undesignated

LOCATION: 1/4,1/4 SE/NE Sec: 2 TWP: 12S RNG: 22E 2135 FNL 535 FEL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 635757 E 4406998 N SURFACE OWNER: State of Utah-SITLA

#### **PARTICIPANTS**

Floyd Bartlett (DOGM), Douglas Hammond (Enduring Resources), Larry Rowell and Mike Stewart (Ponderosa Construction), Brandon Bowthorpe and Matt Cook (Uintah Engineering and Land Surveying), Jim Davis (SITLA), Ben Williams (Utah Division of Wildlife Resources,

## REGIONAL/LOCAL SETTING & TOPOGRAPHY

The proposed Buck Camp 12-22-42-2 well lies on top of an elevated bench to the east of a secondary fork of Bitter Creek. The location is on a gentle slope slightly sloping to the east.

The main Bitter Creek is approximately ½ mile to the east of the proposed location. The drainages in the area as well as this portion of Bitter Creek are ephemeral only flowing during spring runoff and intense summer rainstorms. The White River is approximately 11 miles downstream to the north.

The location is approximately 23 miles south west of Bonanza Ut, and approximately 70 miles southwest of Vernal, UT. Access from Ouray, UT is by State Highway then Uintah County roads 38 miles to the Biter Creek Corrals. Then following a oil field development road south about 2 miles up the bottom of Bitter Creek to where a new road is proposed to the 12-22-32-2 well. From this well 0.9 miles of road will be constructed to the east then south to this location. The road to the first well and a portion of the road to this location climb up the steep side-hill to the bench on top.

Topography in the general area is broad canyon bottoms separated by steep and often ledgey side-slopes, which top out onto broad ridge tops. Frequent outwash plains and deposits occur along the sides of the major bottoms. Bitter Creek is a broad somewhat gentle alluvial wash, which is dry except for spring runoff and sometimes-intense summer rainstorms.

#### SURFACE USE PLAN

CURRENT SURFACE USE: Domestic sheep grazing, wildlife and hunting.

PROPOSED SURFACE DISTURBANCE: 0.9 miles of new access road and construction of a well location 345'x 200' plus a reserve pit and soil stockpile storage outside the described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling the well. Approximately 720 feet of surface pipeline will be laid to the north down the steep side-hill to a tie-in point in the bottom.

SOURCE OF CONSTRUCTION MATERIAL: <u>All construction material will be borrowed from site during construction of location</u>.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? EXPLAIN: Unlikely, oilfield activity is common in the area.

#### WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: A moderate cover consisting primarily of black sagebrush. Domestic sheep, pronghorn, rodents, songbirds, raptors, elk, deer, bobcat, coyote.

SOIL TYPE AND CHARACTERISTICS: Deep shaley sandy loam with no surface bedrock outcrops.

EROSION/SEDIMENTATION/STABILITY: <u>Light natural erosion is occurring on the site</u>. No drainages will be intercepted by the proposed. No stability problems are anticipated with the construction and operation of the location.

PALEONTOLOGICAL POTENTIAL: Survey completed by IPC on 3-23-06. Will be furnished for the files.

#### RESERVE PIT

CHARACTERISTICS: 150' by 75' and 12' deep. The reserve pit is planned in an area of cut on the north east corner of the location. No stabilization problems are expected.

LINER REQUIREMENTS (Site Ranking Form attached): A liner will be required for reserve pit. Sensitivity score is 20 and a rating Level II.

#### SURFACE RESTORATION/RECLAMATION PLAN

As per landowner agreement with SITLA.

SURFACE AGREEMENT: SITLA

CULTURAL RESOURCES/ARCHAEOLOGY: A survey was completed on 1-6-06 and will be forwarded to SITLA.

#### OTHER OBSERVATIONS/COMMENTS

The pre-drill investigation of the surface was performed on 04/05/2006.

The State of Utah (SITLA) owns both the surface and minerals of this location. Mr. Ed Bonner and Jim Davis of SITLA and Ben Williams of the Utah Division of Wildlife Resources were invited to the pre-site. Both Mr. Williams and Mr. Davis attended.

Mr. Williams representing the UDWR stated the area is classified as critical value winter habitat for deer and high value winter elk habitat. He explained how the areas are classified and recommended to Mr. Davis and Mr. Hammond they limit their activity from Nov. 15 thru March 15 to protect wintering values for deer. This activity would include road and pad construction, drilling and work-over rigs. Mr. Williams gave Mr. Hammond and Mr. Davis copies of his wildlife investigation report and a recommended seed mix to use when the site is revegetated.

The proposed well lies on top of an elevated bench to the east of a secondary fork of Bitter Creek. The location is on a gentle slope slightly sloping to the east. Access will be gained by following 0.4 miles of new road planned to the BC 12-22-34-2 well, then constructing approximately 0.9 miles of additional road to this well. These roads climb out of the bottom onto the side slope to the planned locations. The selected location appears to be the best site for constructing a pad and drilling and operating a well in the immediate area. No significant stability problems are anticipated.

This predrill investigation was conducted on a cold, very windy, rainy day. Four wheeled ATV's were used to access the location.

#### **ATTACHMENTS**

Photos of site have been taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

04/06/2005 2:15 PM DATE/TIME

Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet) >200	0	
100 to 200 75 to 100	5 10	
25 to 75	15	
<25 or recharge area	20	
Distance to Surf. Water (feet) >1000	0	
300 to 1000	2	
200 to 300 100 to 200	10 15	
< 100	20	0
Distance to Nearest Municipal		
Well (feet) >5280	0	
1320 to 5280	5	
500 to 1320 <500	10 20	0
Distance to Other Wells (feet)		
>1320	. 0	
300 to 1320 <300	10 20	00
Notice Ocil Terro		
Native Soil Type Low permeability	0	
Mod. permeability High permeability	10	4.0
	20	<u>10</u>
Fluid Type Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid	10 15	
containing significant levels of hazardous constituents	20	_
nazardous constituents	20	5
Drill Cuttings Normal Rock	0	
Salt or detrimental	10	0
Annual Precipitation (inches)		
<10 10 to 20	0	
>20	5 10	5
Affected Populations		
<10 10 to 30	0	
30 to 50	6 8	
>50	10	0
Presence of Nearby Utility		
Conduits Not Present	0	
Unknown Present	10	-
Present	15	0

\_\_\_\_\_\_\_(Level II Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

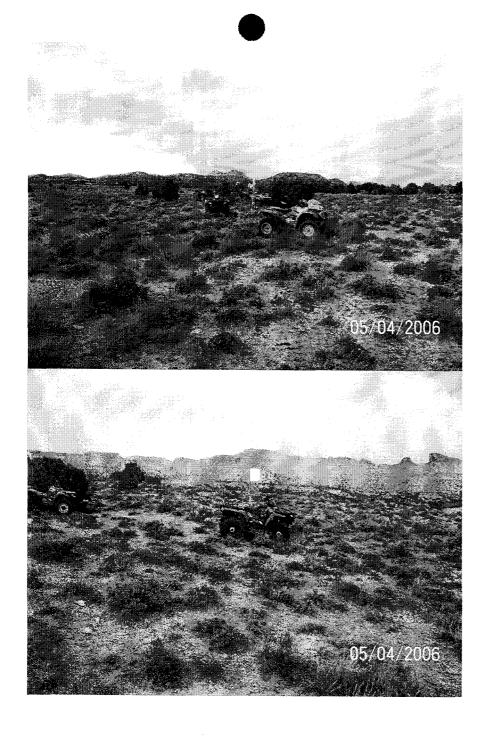
Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.

Final Score







#### STATE ACTIONS

#### Resource Development Coordinating Committee Governor's Office of Planning and Budget 5110 State Office Building

SLC, UT 84114

Phone No. 537-9230 1. State Agency 2. Approximate date project will start: Oil, Gas and Mining 1594 West North Temple, Suite 1210 Upon Approval or March 20, 2006 Salt Lake City, UT 84114-5801 3. Title of proposed action: Application for Permit to Drill 4. Description of Project: Enduring Resources LLC proposes to drill the Buck Camp 12-22-42-2 well (wildcat) on a State lease ML-47087, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence. 5. Location and detailed map of land affected (site location map required, electronic GIS map preferred) (include UTM coordinates where possible) (indicate county) 2135' FNL 535' FEL, SE/4 NE/4. Section 2, Township 12 South, Range 22 East, Uintah County, Utah 6. Possible significant impacts likely to occur: Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres - not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed. 7. Identify local government affected a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted? 8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable: a. Has the representative and senator been contacted? 9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Uintah Basin Association of Governments

Diana Whitney

10. For further information, contact:

**Phone:** (801) 538-5312

11. Signature and title of authorized officer

Gil Hunt, Associate Director

**Date:** March 6, 2006

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

R	

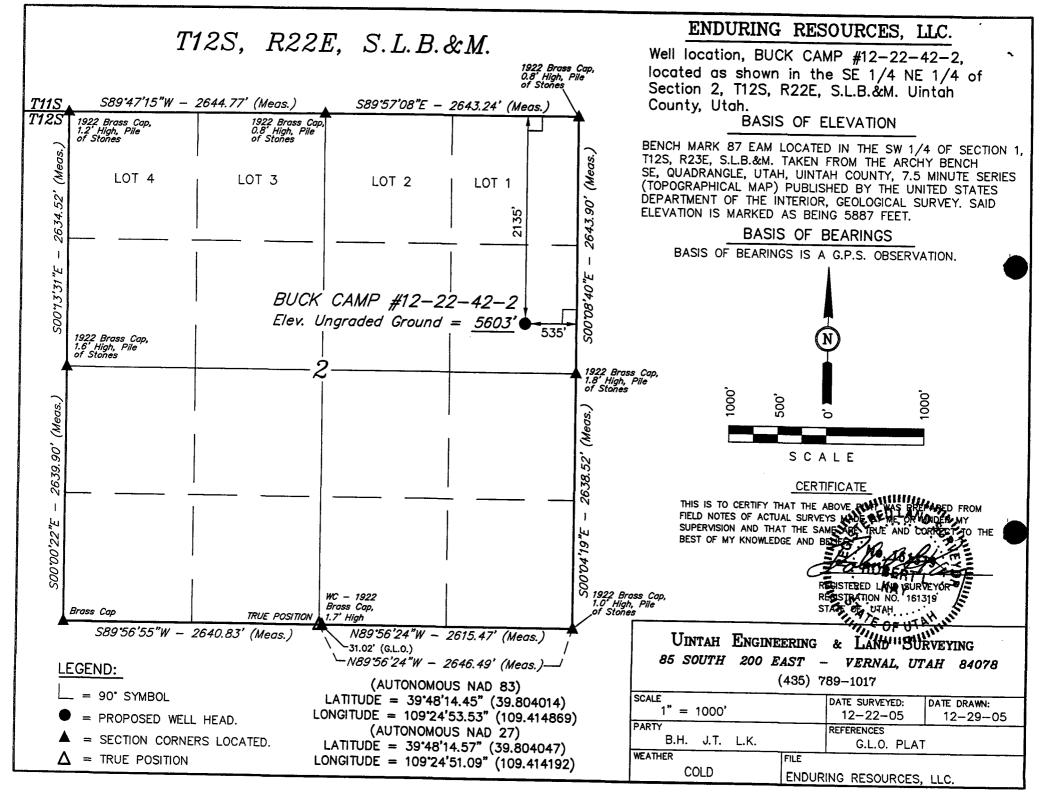
AMENDED REPORT (highlight changes)

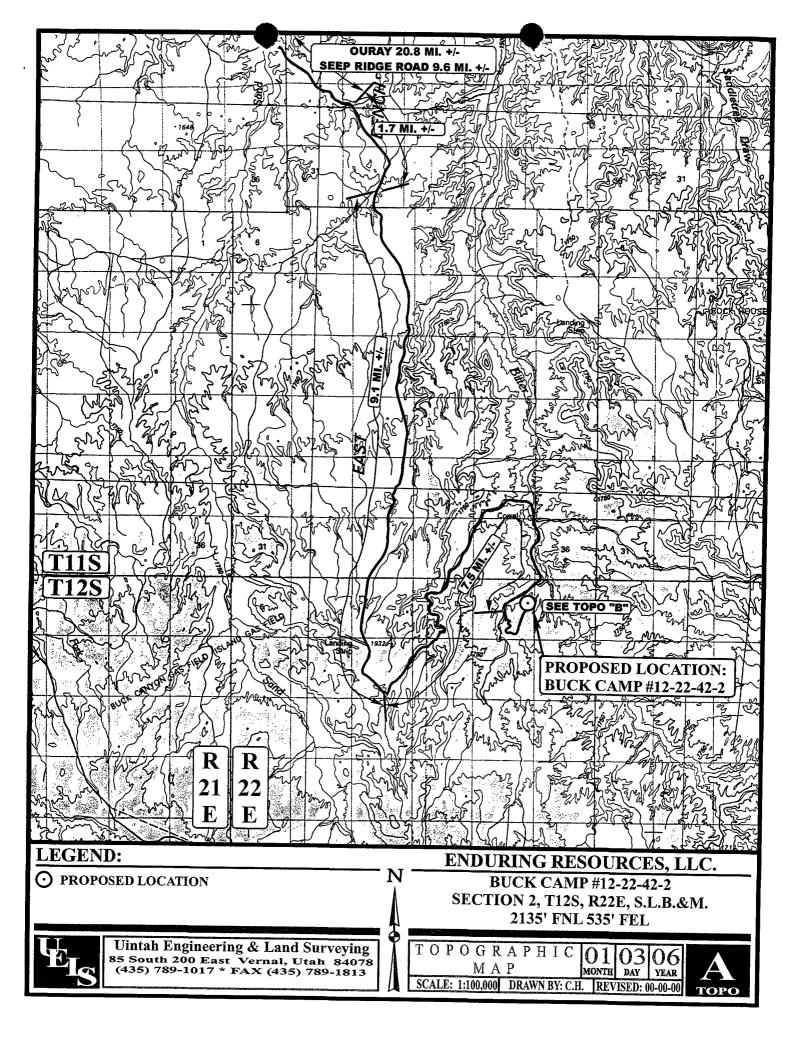
APPLICATION FOR PERMIT TO DRILL				MINERAL LEASE NO: IL-47087	6. SURFACE: State			
1A. TYPE OF WORK: DRILL REENTER DEEPEN				7.	IF INDIAN, ALLOTTEE OF	TRIBE NAME:		
B. TYPE OF WE	B. TYPE OF WELL: OIL GAS 🗹 OTHER SINGLE ZONE 🗌 MULTIPLE ZONE 📝				E 🚺 8.	8. UNIT or CA AGREEMENT NAME:		
2. NAME OF OPE	RATOR.		<del></del>		·		WELL NAME and NUMBE	n
	lesources, L	1.0				i .	Buck Camp 12-2	
3. ADDRESS OF					PHONE NUMBER:		FIELD AND POOL, OR V	
475 17th St., Ste 1500 OITY Denver STATE CO ZIP 80220 (303) 350-5114				Indesignated	Widows			
4. LOCATION OF WELL (FOOTAGES)  AT SURFACE: 2,135' FNL - 535' FEL SENE 440698Y - 199 414188			7 ["	. QTR/QTR, SECTION, TO MERIDIAN:				
	PRODUCING ZO		SAME	4406	9984 - 109 41418	8 S	SENE 2 12	S 22E S
14. DISTANCE IN	MILES AND DIRE	ECTION FROM NEA	REST TOWN OR PO				. COUNTY:	13. STATE:
71.4 mile	s southof V	ernal, Utah				(	Jintah	UTAH
15. DISTANCE TO	NEAREST PROF	PERTY OR LEASE L	INE (FEET)	16. NUMBER OF	FACRES IN LEASE:	17. NUME	BER OF ACRES ASSIGNE	TO THIS WELL:
535'					640			40 acres
18. DISTANCE TO	O NEAREST WELL R) ON THIS LEASE	(DRILLING, COMP	LETED, OR	19. PROPOSED	DEPTH:	20. BOND	DESCRIPTION:	
1100'					7,295	RLB	0008031	
	21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 22. APPROXIMATE DATE WORK WILL START: 23. E			ESTIMATED DURATION:				
5619' K	5619' KB-RT 6/1/2006 2		20 da	0 days				
24.			PROPOS	SED CASING A	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	SHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUA	ANTITY, YIE	LD, AND SLURRY WEIGH	т
20"	14"	line pipe		40	3 yards	Ready I	Mix	
11"	8-5/8"	J-55	24#	2,000	Premium Lead 13		sxs 3.5	0 11.1
					Premium Tail	138	sxs 1.1	5 15.8
7-7/8"	4-1/2"	N-80	11.6#	7,295	Class G 5		sxs 3.	3 11.0
					50/50 Poz Class G	899	sxs 1.5	6 14.3
	L		11_			<del></del>		
25.					CHMENTS	_		_
VERIFY THE FOL	LOWING ARE AT	TACHED IN ACCOR	DANCE WITH THE	UTAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER  COMPLETE DRILLING PLAN								
EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER		FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER						
						****	· · · · · · · · · · · · · · · · · · ·	
NAME (PLEASE	<sub>PRINT)</sub> Alvin F	R. (AI) Arlian			TITLE Landman - Re	gulaton	y Specialist	
SIGNATURE		10/			DATE 3/1/2006	·		
(This space for Sta	te use only)							
							חרסריי	
API NUMBER AS	SIGNED:	42-04	7-3780	09	APPROVAL:		RECEI	VED
. W THOMBEN NO	J, J, 1			<del>~ `</del>	AFFRUVAL:			

(11/2001)

APPROVAL:

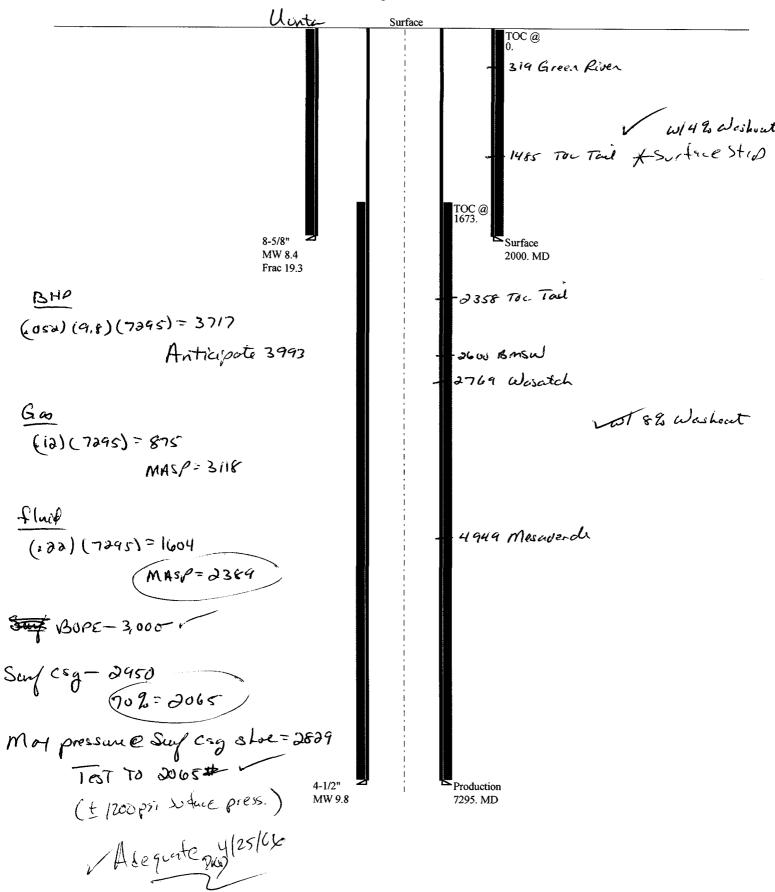
MAR 0 3 2006





# 4-06 Enduring Buck Camp 1 22-42-2

Casing Schematic



Well name:

04-06 Enduring Buck Camp 12-22-42-2

Operator:

**Enduring Resources LLC** 

String type:

Surface

Project ID:

Location:

**Uintah County** 

43-047-37869

D	esi	gn	par	am	ete	rs:	
_	••						

**Collapse** 

Mud weight: Design is based on evacuated pipe.

8.400 ppg

Minimum design factors: Collapse:

Design factor

1.125

**Environment:** 

H2S considered? Surface temperature:

65 °F 93 °F

No

Bottom hole temperature: Temperature gradient: Minimum section length:

1.40 °F/100ft 250 ft

Burst:

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

Cement top:

Surface

**Burst** 

Max anticipated surface

pressure:

1,760 psi

Internal gradient: Calculated BHP

No backup mud specified.

0.120 psi/ft 2,000 psi

**Tension:** 

8 Round STC: 8 Round LTC: Buttress:

Premium:

1.50 (J) Body yield: 1.50 (B)

Tension is based on buoyed weight. Neutral point: 1,748 ft

Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

7.295 ft 9.800 ppg 3,714 psi 19.250 ppg

Fracture mud wt: Fracture depth: 2,000 ft Injection pressure 2,000 psi

Run Segment Nominal End True Vert Measured Drift Internal Seq Length Size Weight Grade **Finish** Depth Depth Diameter Capacity (ft) (in) (lbs/ft) (ft) (ft) (in) (ft³) 1 2000 8.625 24.00 J-55 ST&C 2000 2000 7.972 96.3 Collapse Collapse **Burst** 

Run Collapse **Burst Burst Tension Tension Tension** Load Strength Seq Design Load Strength Design Load Strength Design (psi) (psi) **Factor** (psi) (psi) **Factor** (Kips) (Kips) **Factor** 1 873 1370 1.570 2000 2950 1.48 244 5.82 J 42

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 810-359-3940

Date: April 18,2006 Salt Lake City, Utah

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

04-06 Enduring Buck Camp 12-22-42-2

Operator:

**Enduring Resources LLC** 

String type:

Production

Project ID:

43-047-37869

Location:

**Uintah County** 

Minimum design factors:

**Environment:** 

**Collapse** 

Mud weight: Design is based on evacuated pipe.

**Design parameters:** 

Collapse: 9.800 ppg Design factor

1.125

H2S considered?

No

Surface temperature: Bottom hole temperature:

65 °F 167 °F

Temperature gradient: Minimum section length: 1,500 ft

Non-directional string.

1.40 °F/100ft

**Burst:** 

Design factor

1.00 Cement top: 1.673 ft

**Burst** 

Max anticipated surface

No backup mud specified.

pressure:

2,838 psi

Internal gradient: Calculated BHP

0.120 psi/ft 3,714 psi

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J)

**Buttress:** Premium: Body yield: 1.60 (J) 1.50 (J)

1.50 (B)

Tension is based on buoyed weight. Neutral point: 6,226 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7295	4.5	11.60	N-80	LT&C	<b>7</b> 295	7295	3.875	169.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3714	6350	1.710	3714	7780	2.09	72	223	3.09 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 810-359-3940

Date: April 18,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 7295 ft, a mud weight of 9.8 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

### **MEMORANDUM**

DATE:

March 15, 2006

TO:

Utah Division of Oil, Gas and Mining

FROM:

Utah Geological Survey, Ground Water and Paleontology Program

CC:

Resource Development Coordinating Committee

SUBJECT:

UGS comments on RDCC short turn around item 6321

6321. Division of Oil, Gas, and Mining
Short Turn Around Drilling Permit
Sec. 2, T12S, R22E, Uintah County
Application Permit to Drill - proposal to drill a wildcat well in the Buck Camp 12-22-422 on a State lease ML-47087

Although there are no paleontological localities recorded in our files for this project area, the Eocene-age Uinta and Green River Formations that are exposed in this area have the potential for yielding significant vertebrate fossils. The office of the State Paleontologist therefore recommends that a paleontological evaluation be conducted for this project.

From:

Ed Bonner

To:

Whitney, Diana

Date:

5/8/2006 12:36:16 PM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

```
Enduring Resources, LLC
  Buck Camp 11-22-13-36
  Buck Camp 11-22-14-36
  Buck Camp 11-22-21-36
  Buck Camp 11-22-22-36
  Buck Camp 11-22-23-36
  Buck Camp 11-22-24-36
  Buck Camp 12-22-11-2
  Buck Camp 12-22-13-2
  Buck Camp 12-22-21-2
  Buck Camp 12-22-24-2
  Buck Camp 12-22-34-2
  Buck Camp 12-22-41-2
                          (1 significant site which must be avoided)
  Buck Camp 12-22-42-2
  Buck Camp 12-22-43-2
  Buck Camp 12-22-44-2
Kerr McGee Oil & Gas Onshore LP
  NBU 922-32E
```

NBU 922-32H

NBU 922-32D

NBU 922-32J3

NBU 922-3202

NBU 922-32J1

### Westport Oil & Gas Company

NBU 922-32N

### Tidewater Oil & Gas Company

Tidewater State 23-1

Tidewater State 23-2

(1 significant site which must be avoided)

Tidewater State 23-5

Tidewater State 32-3

If you have any questions regarding this matter please give me a call.

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



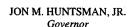
### State of Utah

### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director



GARY R. HERBERT Lieutenant Governor

May 8, 2006

Enduring Resources, LLC 475 17th St., Ste. 1500 Denver, CO 80202

Re:

Buck Camp 12-22-42-2 Well, 2135' FNL, 535' FEL, SE NE, Sec. 2,

T. 12 South, R. 22 East, Uintah County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37869.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

**Uintah County Assessor** 

SITLA

Operator:	Enduring Resources, LLC							
Well Name & Number	Buck Camp 12-22-42-2							
API Number:	43-047-37869							
Lease:	ML-47087							
Location: <u>SE NE</u>	Sec. 2	T. 12 South	R. 22 East					

### **Conditions of Approval**

### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

## 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

Page 2 43-047-37869 May 8, 2006

- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 7. Surface casing shall be cemented to the surface.
- 8. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

From:

Robert Clark Whitney, Diana

To: Date:

3/13/2006 9:28:35 AM

Subject:

RDCC short turn around response

The following comments are provided in response to RDCC #6321.

Comments begin: The proposed, Enduring Resources LLC, well drilling project, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . Comments end.

Robert Clark Division of Air Quality 536-4435

CC:

Mcneill, Dave; Wright, Carolyn



## **DIVISION OF OIL, GAS AND MINING**

## **SPUDDING INFORMATION**

Name of Company:	ENDURING RESO	OURCES LLC						
Well Name: BUCK CAMP 12-22-42-2								
Api No: 43-047-37	<b>Zease Type:</b> Lease Type:	STATE						
Section 02 Township	212S Range 22E C	County UINTAH						
Drilling Contractor	PETE MARTINS	RIG #BUCKET						
Time	06/13/06 8:00 AM DRY							
	nce:							
Reported by	DOUG HAMMOND							
Telephone #	(435)790-6996							
Date 06/13/2006	SignedCHD							

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING FORM 6

<b>ENTITY</b>	<b>ACTION</b>	<b>FORM</b>
---------------	---------------	-------------

Operator:

**Enduring Resources, LLC** 

Operator Account Number: N 2750

Address:

475 17th Street, Suite 1500

city Denver

zip 80202 state CO

Phone Number: (303) 350-5114

4304737869	Buck Camp 12-22-42-2		SENE	2	128	22S	Uintah	
Action Code	Current Entity Number	New Entity Number	Sp	oud Da	te		ity Assignment ffective Date	
A	99999	15423	6.	6/14/2006		6	115/06	

COM INFIAIUF

Well 2

VICE L	W-II	Name	ര	200	Twp	Rna	Count	V
API Number	AAGII	Name		200 CO	000 BA - 14000	1000	***************************************	2.56150.000.000.000
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			2 77740(800800000		000000000000000000000000000000000000000			
Action Code	Current Entity	New Entity		Spud Dat	е		lity Assignm	
	Number	Number					Effective Dat	θ
	·							
Comments:								
Comments:								
	•					,		

Well 3			on Militarian	o January and the		***********		420000000000000000000000000000000000000
API Number	. * Well	Name	QQ	Sec	Twp	Kng	Coun	<b>(5)</b>
						1		
					energia en la religio de la co	20000150000000		250000000000
Action Code	Current Entity	New Entity		Spud Da	te		tity Assignn	
Addon Gode	Number	Number					Effective Da	te
			Ca. Becommenda	20020000000000000000000000000000000000	**********			
			1		•			
Comments:								

### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Alvin R. (Al) Arlian

Name (Please Print)

Signature

Landman-Regulatory

6/14/2006

Title

Date

(5/2000)

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### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

FORM 9
--------

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-47087
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Buck Camp 12-22-42-2
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 4304737869
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 (303) 350-5114	10. FIELD AND POOL, OR WILDCAT: Undesignated
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2135' FNL - 535' FEL  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 2 12S 22E S	COUNTY: Uintah STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION    NOTICE OF INTENT (Submit in Duplicate)	J55 Surface Casing to 1,929'.
Stage: 1, Lead 0, 230, 16% gel, 1/4# flowcele, Class G, 3.84, 11.1 Stage: 1, Tail, 0, 225, 2% cacl2, 1/4# flowcele, Class G, 1.15, 15.8. Stage: 1, 0, 150, 4% cacl2, 1/4# flowcele, Class G, 1.15, 15.8.	
NAME (PLEASE PRINT) Alvin R. (AI) Arlian TITLE Landman - Regul	latory Specialist
SIGNATURE	
This space for State use only)	

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### ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500 Denver, Colorado 80202

Telephone:

303-573-1222

Facsimile:

303-573-0461



July 7, 2006

State of Utah Division of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE:

Well Logs

**Buck Camp 12-22-42-2 SENE Sec 2, T12S-R22E** 

**Uintah County, Utah** 

43-047-37869

Ladies and Gentlemen:

Attached is one original copy of the logs run on the above-referenced well.

Please hold this information as "confidential" as long as permitted.

Should you have any questions concerning this matter, please do not hesitate to call 303-350-5114 (<u>aarlian@enduringresources.com</u>).

Very truly yours

**ENDURING RESOURCES, LLC** 

Alvin R. (Al) Arlian

Landman - Regulatory Specialist

ara/

Enclosures as stated:

RECEIVED
JUL 1 2 2006

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM 5. LEASE DESIGNATION AND SERIAL NUMBER:

FORM 9

	<sup>®</sup> ML-47087							
SUNDRY NOTICES AND REPORTS O	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:							
		N/A 7. UNIT or CA AGREEMENT NAME:						
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current be drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for	ottom-hole depth, reenter plugged wells, or such proposals.							
1. TYPE OF WELL OIL WELL GAS WELL OTHER DRY	,	8. WELL NAME and NUMBER:						
2. NAME OF OPERATOR:		Buck Camp 12-22-42-2						
Enduring Resources, LLC		9. API NUMBER: 4304737869						
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:						
475 17th Street, Suite 1500 Denver STATE CO ZIP 802	202 (303) 573-122	2 Wildcat						
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 2135' FNL - 535' FEL		соимту: Uintah						
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 2 12S 22E	S	STATE: UTAH						
11. CHECK APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, R	EPORT, OR OTHER DATA						
TYPE OF SUBMISSION	TYPE OF ACTION							
NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION						
(Submit in Duplicate) ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL						
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON						
CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR						
CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE						
SUBSEQUENT REPORT (Submit Original Form Only)	PLUG BACK	WATER DISPOSAL						
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF						
COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:						
7/2/2006 CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORM	ATION						
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertin	ent details including dates, depths,	volumes, etc.						
Plugging Procedures on 7/2/2006 through 7/3/2006:								
riagging ricocation on the each though those of								
TIH w/open-ended DP, tag bottom (6900'), no fill. Pump Cement Plug #1. 37 sx (7.58 bbl) Class G, Weight-15.8 ppg, Yield 1.15 cu ft/sx. Displace w.3.5 bbl water + 92.6 bbl mud to balance. Pull 5 stands, LD 63 jts, Run 5 stands back in hole. Bottom of DP @ 4914' KB. Pump Cement Plug #2. 92 sx (18.84 bbl) Class G + 2% CaCl. Displace w/3.5 bbl water + 61.4 bbl mud to balance. Pull 10 stands, LD 10 jts. WOC. TIH, tag cement @ 4582' KB. LD 58 jts DP. Pump Cement Plug #3. 79 sx (16.18 bbl) Class G + 2% CaCl, weight-15.8 ppg, Yield 1.15 cu ft/sx. Displace w/3.5 bbl water + 33.5 bbl mud to balance. Pull 10 stands, WOC. TIH, tag cement @ 2539' KB. LD 24 jts DP. LD DP to 2045', Pump Cement Plug #4. Pump 79 sx (18.14 bbl) Class G + 2% CaCl, displace w/3.5 bbl water + 21.6 bbl mud to balance. Pull 10 stands, WOC. TIH, tag cement @ 1794' KB. LD DP. Pump 100' cement plug at surface. RDRT.								
NAME (PLEASE PRINT) Christian Veillette	TITLE Engineer							
SIGNATURE	DATE 1720/2000							

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**RECEIVED** JUL 3 1 2006

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

M	M	I	n		T	I		I
UU	V		IJ	ŗ	177		M	4

	AMENDED REPORT	FORM 8
	(highlight changes)	
A .	5. LEASE DESIGNATION AND SERIA	L NUMBER:

													ML	-470	)87	
WELI	CON	<b>IPLE</b>	TION	OR R	ECO	MPL	ETIC	N R	EPOR 1	ΓΑΝΕ	LOG		6. IF INC		ALLOTTEE OR TRIBI	NAME
WELL I WELL I DRY W/I UTTER											7. UNIT OF CA AGREEMENT NAME  N/A					
b. TYPE OF WORK:  NEW HORIZ. DEEP- RE- WELL ATS: EN STREY RESVR. OTHER											8. WELL NAME and NUMBER: Buck Camp 12-22-42-2					
2. NAME OF OPERATOR: 9. API NUMBER:																
Enduring Resources, LLC  3. ADDRESS OF OPERATOR:  PHONE NUMBER:  10 FIELD AND POOL, OR WILDCAT											т					
475 17th St, Suite 1500 CITY Denver STATE CO ZIP 80202 (303) 573-1222 Wildcat																
4. LOCATION OF WELL (FOOTAGES)  11. QTR/QTR, SECT. MERIDIAN: MERIDIAN:											SECTION, TOWNS	IIP, RANGE,				
ALSURPAGE: 2130 FINE & 330 FEE										2 12\$ 2	22E					
AT TOP PRODUC	CING INTER	RVAL REP	ORTED BE	LOW: 2'	135' F	NL &	535 F	EL'								
AT TOTAL DEPT	н: 213	5' FNL	& 535	FEL'									12. COUNTY 13. STATE UTAH			
14. DATE SPUDDED 6/25/2006	D:		T.D. REAC /2006	CHED:	16. DATE 7/2/	E COMPL 2006	ETED:	,	ABANDONEI		READY TO F	RODUCE	17.		/ATIONS (DF, RKB, I	RT, GL):
18. TOTAL DEPTH:	MD 6.	900		19. PLUG E			0		20. IF MU	ILTIPLE CO	OMPLETIONS	, HOW M	ANY? * 21.	DEP	TH BRIDGE MD	
	TVD 6,					TVD			<u> </u>					PLU	JG SET: TVD	
22. TYPE ELECTRIC			ANICAL LO	GS RUN (S	ubmit cop	y of each	)			23. WAS WEI	L CORED?		№ 🗸		ES (Submi	t analysis)
Previously S	Submitte	ed.							ŀ	WAS DST			NO 🔽		<u> </u>	t report)
		·				···				DIRECTIO	NAL SURVEY	?	NO <b>7</b>	Υ	ES (Submi	t copy)
24. CASING AND LI	NER RECO	RD (Repo	rt all string	s set in wel	11)	-						<u> </u>				
HOLE SIZE	SIZE/GI	RADE	WEIGHT	(#/ft.)	TOP (	MD)	вотто	M (MD)	STAGE CE DEP		CEMENT TYPE & NO. OF SACKS VC		SLURRY VOLUME (BBL)		CEMENT TOP **	AMOUNT PULLED
20"	14"		Line				4	0			3 yards				0 (CIR)	0
12-1/4"	8-5/8	J-55	32		0		<del></del>	945			CL G	605	236		0 (CIR)	0
7-7/8"	N/A	N/A	Plug		6,7			900	<u> </u>		CL G	37	8		6764 (CAL)	N/A
		·	Plug		4,5			914			CL G	92	19		4582 (TAG)	N/A
			Plug Plug		2,5 1,7			761 045			CL G	79 79	16		2539 (TAG)	N/A
25. TUBING RECOR	RD		Tiuc	1 17-4	1,7	94	2,0	)40 <sub>.</sub>	l <u></u>		CL G	/9	18	1	1794 (TAG)	N/A
SIZE	DEPTH	SET (MD	) PACK	ER SET (M	D)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	D	EPTH SET (MD)	PACKER SET (MD)
														1		
26. PRODUCING IN	TERVALS								2	7. PERFO	RATION REC	ORD				
FORMATION	NAME	ТС	P (MD)	BOTTON	A (MD)	TOP	(TVD)	вотто	M (TVD)	INTERVA	L (Top/Bot - N	ID)	SIZE NO	. HOLI	ES PERFORA	TION STATUS
(A)				<del> </del>							<u> </u>				Open S	Squeezed
(B)				ļ											Open S	Squeezed
(C)				ļ											Open S	Squeezed
(D)				<u> </u>				L						•	Open	Squeezed
28. ACID, FRACTUR	NTERVAL	MENI, CE	MENTSQU	EEZE, ETC.	•		<del></del>								<del></del>	
DEPINI	NIERVAL	<del></del>	<u> </u>	<del></del>			· · · · · · · · · · · · · · · · · · ·		AMOL	INT AND T	YPE OF MAT	ERIAL				<del> </del>
			+				· · · · · ·	· · · · · ·	<u> </u>		·				<del></del>	
			+													<del> </del>
29. ENCLOSED ATT	ACHMENT	S:				· · · · · ·				· · · · · ·		<del></del> -			30. WELL	STATUS:
. —										_		_				<del></del>
$\equiv$	☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: P&A															
						<del></del>		<del></del>								

(CONTINUED ON BACK)

(5/2000)

**RECEIVED** 

31. INITIAL PRO	DOUCTION				INTE	ERVAL A (As show	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DA	ATE:		HOURS TESTED	):	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BB	PROD. METHOD:
CHOKE SIZE:	TBG. PRES	S. CSG. PF	RESS. API GF	AVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BB	BL: INTERVAL STATUS:
					INTI	ERVAL B (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DA	ATE:		HOURS TESTED	);	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BE	BL: PROD. METHOD:
CHOKE SIZE:	ZE: TBG. PRESS. CSG. PRESS. API GRAVITY		BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS - MCF:	WATER - BE	R – BBL: INTERVAL STATU		
					INT	ERVAL C (As sho	wn in item #26)				-
DATE FIRST PRODUCED:		TEST D	TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BE	BL: PROD. METHOD:
CHOKE SIZE:	TBG. PRES	S. CSG. PF	RESS. API GF	AVITY			24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF: WATER - BBL:		BL: INTERVAL STATUS
					INT	ERVAL D (As sho	wn in item #26)				
DATE FIRST PR	RODUCED:	TEST D	ATE:		HOURS TESTED	): ·	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BE	BL: PROD, METHOD:
CHOKE SIZE:	TBG. PRES	S. CSG, PF	RESS. API GF	PAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BE	BL: INTERVAL STATUS:
32. DISPOSITIO	ON OF GAS (S	old, Used for	Fuel, Vented, Et	:.)		· · · · · · · · · · · · · · · · · · ·					
33. SUMMARY	OF POROUS	ZONES (Includ	de Aquifers):			<del>- 1</del> -	3	4. FORMATION	(Log) MARKERS:	· · · · · · · · · · · · · · · · · · ·	
Show all importatested, cushion u	ant zones of po used, time tool	orosity and cont open, flowing	ents thereof: Cor and shut-in press	ed interva ures and i	als and all drill-stem recoveries.	i tests, including de	pth interval				
Formation	on	Top (MD)	Bottom (MD)		Descriptions, Contents, etc.			Name			Top (Measured Depth)
Green Riv	er	319									
Wasatch	1	2,769									
Mesaverd	e	4,949									
											٠
35. ADDITIONA	I DEMARKS	(Include pluce	lna nrocedure)			······					
				<b>⊃&amp;A</b> p	rocedures.	Plug#5 - fin	al plug: Pump	ed a 100'	cement plug	at surface	<b>.</b>
36. I hereby cer	rtify that the f	oregoing and	attached inform	ation is c	omplete and corre	ect as determined	from all avallable reco	ords.			
NAME (PLEAS	E PRINT) C	hristian \	/eillette				τιτιε Engii	neer		<u></u> _	
SIGNATURE _							7/26	/2006			
<ul> <li>drilling</li> </ul>	leting or pl g horizonta	ugging a ne Il laterals fr			oore •	significantly d	previously plugged eepening an exist carbon exploratory	ing well bore	e below the prev	vious bottom es and stratiç	-hole depth graphic tests
* ITEM 20: SI	how the nu	mber of co	mpletions if p	roduction	on is measure	d separately fr	om two or more fo	ormations.			
** ITEM 24: C	ement Top	- Show hov	v reported top	(s) of ce	ement were de	termined (circu	ılated (CIR), calcu	lated (CAL).	cement bond lo	a (CBL), temr	perature survey (TS))

Phone: 801-538-5340

801-359-3940

Fax:

(5/2000)

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Salt Lake City, Utah 84114-5801

Box 145801

JUL 3 1 2006 DIV. OF OIL, GAS & MINING

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DEPARTMENT OF NATURAL RESOURCES									
DIV		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47087							
SUNDRY NO	6. IF II	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:							
Do not use this form for proposals to drill new we	7. UNI	7. UNIT or CA AGREEMENT NAME:							
1. TYPE OF WELL OIL WELL		LL NAME and NUMBER: k Camp 12-22-42-2							
2. NAME OF OPERATOR:		NUMBER:							
Enduring Resources, LLC  3. ADDRESS OF OPERATOR:		4304737869  10. FIELD AND POOL, OR WILDCAT:							
475 17th Street, Suite 1500 CITY De	nver STATE CO ZIP	80202	PHONE NUMBER: (303) 350-5114		Undesignated				
4. LOCATION OF WELL									
FOOTAGES AT SURFACE: 2135' FNL	535' FEL			COUN	соилту: Uintah				
QTR/QTR, SECTION, TOWNSHIP, RANGE, M	BERIDIAN: SENE 2 12S 2	2E S		STATE: UTAH					
11. CHECK APPROF	PRIATE BOXES TO INDICAT	E NATU	JRE OF NOTICE, REPO	PRT, O	R OTHER DATA				
TYPE OF SUBMISSION			TYPE OF ACTION						
NOTICE OF INTENT	ACIDIZE	DEE	PEN		REPERFORATE CURRENT FORMATION				
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRA	CTURE TREAT		SIDETRACK TO REPAIR WELL				
Approximate date work will start:	CASING REPAIR	NEV	CONSTRUCTION		TEMPORARILY ABANDON				
	CHANGE TO PREVIOUS PLANS	OPE	RATOR CHANGE		TUBING REPAIR				
	CHANGE TUBING	PLU	G AND ABANDON		VENT OR FLARE				
SUBSEQUENT REPORT	CHANGE WELL NAME	PLU	G BACK		WATER DISPOSAL				
(Submit Original Form Only)	CHANGE WELL STATUS	PRO	DUCTION (START/RESUME)		WATER SHUT-OFF				
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	REC	LAMATION OF WELL SITE	Z	отнея: Closed Drilling Pits				
9/11/2007	CONVERT WELL TYPE	REC	OMPLETE - DIFFERENT FORMATION						
12. DESCRIBE PROPOSED OR COMPL	ETED OPERATIONS. Clearly show all p	ertinent de	tails including dates, depths, volur	nes, etc.					
Finished closing pits.									
NAME (PLEASE PRINT) Alvin R. (AI) A	ırlian		<sub>тітьв</sub> _Landman - Regi	ulatory	Specialist				

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SIGNATURE

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SEP 1 3 2007

DATE 9/11/2007

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

FORM	
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DIVISION OF OIL, GAS AND MII	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47087								
SUNDRY NOTICES AND REPORTS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:								
Do not use this form for proposals to drill new wells, significantly deepen existing wells below cur drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL fr	7. UNIT or CA AGREEMENT NAME:								
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Buck Camp 12-22-42-2								
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 4304737869								
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver	10. FIELD AND POOL, OR WILDCAT: Undesignated								
475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202 (303) 350-5114 Undesignated  4. LOCATION OF WELL  FOOTAGES AT SURFACE: 2135' FNL - 535' FEL COUNTY: Uintah									
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 2 12S 2		STATE: UTAH							
11. CHECK APPROPRIATE BOXES TO INDICAT TYPE OF SUBMISSION		RT, OR OTHER DATA							
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  CHANGE TUBING  CHANGE WELL NAME  CHANGE WELL STATUS  COMMINGLE PRODUCING FORMATIONS  11/9/2007  CONVERT WELL TYPE  12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all p	TYPE OF ACTION  DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION  ertinent details including dates, depths, volume	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: Pit Reseeded.							
NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist									
SIGNATURE	DATE 11/9/2007								
This space for State use only)									

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